

Substitute Form PTO-1449 (Modified) Information Disclosure Statement (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08895-019002	Application No. 10/615,748
	Applicant Marshall Medoff et al.		
	Filing Date July 9, 2003	Group Art Unit 1623	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
Cy	AA	2,519,442	08/22/50	Delorme et al.	—	—	
Cy	AB	2,558,378	06/26/51	Petry	—	—	
Cy	AC	2,635,976	04/21/53	Meiler et al.	—	—	
Cy	AD	2,658,828	11/10/53	Pattilloch	—	—	
Cy	AE	2,665,261	01/05/54	Baker	—	—	
Cy	AF	2,680,102	06/01/54	Becher	—	—	
Cy	AG	2,757,150	07/31/56	Heritage	—	—	
Cy	AH	2,789,903	04/23/57	Lukman et al.	—	—	
Cy	AI	2,935,763	05/10/60	Newman et al.	—	—	
Cy	AJ	3,308,218	03/7/67	Wiegand et al.	—	—	
Cy	AK	3,309,444	03/14/67	Schueler	—	—	
Cy	AL	3,493,527	02/03/70	Schueler	—	—	
Cy	AM	3,516,953	06/23/70	Wood	—	—	
Cy	AN	3,645,939	02/29/72	Gaylord	—	—	
Cy	AO	3,671,615	06/20/72	Price	—	—	
Cy	AP	3,718,536	02/27/73	Downs et al.	—	—	
Cy	AQ	3,836,412	09/17/74	Boustany et al.	—	—	
Cy	AR	3,878,143	04/15/75	Baumann et al.	—	—	
Cy	AS	3,888,810	06/10/75	Shinomura	—	—	
Cy	AT	3,943,079	03/09/76	Hamed	—	—	
Cy	AU	3,956,541	05/11/76	Pringle	—	—	
Cy	AV	3,956,555	05/11/76	McKean	—	—	
Cy	AW	4,005,162	01/25/77	Bucking	—	—	
Cy	AX	4,016,232	04/05/77	Pringle	—	—	
Cy	AY	4,033,913	07/05/77	Sunden	—	—	
Cy	AZ	4,045,603	08/30/77	Smith	—	—	
Cy	AAA	4,056,591	11/01/77	Goettler et al.	—	—	

Examiner Signature <i>E. Keller</i>	Date Considered <i>5/10/06</i>
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
Cy	BA	4,058,580	11/15/77	Flanders	—	—	
Cy	BB	4,097,648	06/27/78	Pringle	—	—	
Cy	BC	4,112,038	09/05/78	Garner	—	—	
Cy	BD	4,115,497	09/19/78	Halmo Rolls et al.	—	—	
Cy	BE	4,145,389	03/20/79	Smith	—	—	
Cy	BF	4,168,251	09/18/79	Schinz et al.	—	—	
Cy	BG	4,187,352	02/05/80	Klobbie	—	—	
Cy	BH	4,203,876	05/20/80	Dereppe et al.	—	—	
Cy	BI	4,204,010	05/20/80	Kramm et al.	—	—	
Cy	BJ	4,228,116	10/14/80	Colombo et al.	—	—	
Cy	BK	4,239,679	12/16/80	Rolls et al.	—	—	
Cy	BL	4,244,903	01/13/81	Schnause	—	—	
Cy	BM	4,248,743	02/03/81	Goettler	—	—	
Cy	BN	4,248,820	02/03/81	Haataja	—	—	
Cy	BO	4,250,222	02/10/81	Mavel et al.	—	—	
Cy	BP	4,263,184	04/21/81	Leo et al.	—	—	
Cy	BQ	4,265,846	05/05/81	Shen et al.	—	—	
Cy	BR	4,273,688	06/16/81	Porzel et al.	—	—	
Cy	BS	4,277,428	07/07/81	Luck et al.	—	—	
Cy	BT	4,279,790	07/21/81	Nakajima	—	—	
Cy	BU	4,281,039	07/28/81	Miura et al.	—	—	
Cy	BV	4,290,988	09/22/81	Nopper et al.	—	—	
Cy	BW	4,305,901	12/15/81	Prince et al.	—	—	
Cy	BX	4,311,554	01/19/82	Herr	—	—	
Cy	BY	4,311,621	01/19/82	Nishizawa et al.	—	—	
Cy	BZ	4,318,351	03/09/82	Munk	—	—	
Cy	BAA	4,323,625	04/06/82	Coran et al.	—	—	

Examiner Signature <i>E. Leck</i>	Date Considered <i>5/10/06</i>
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
cy	CA	4,328,136	05/04/82	Blount	—	—	
cy	CB	4,376,144	03/08/83	Goettler	—	—	
cy	CC	4,382,108	05/03/83	Carroll et al.	—	—	
cy	CD	4,393,020	07/12/83	Li et al.	—	—	
cy	CE	4,414,267	11/08/83	Coran et al.	—	—	
cy	CF	4,420,351	12/13/83	Lussi et al.	—	—	
cy	CG	4,426,470	01/17/84	Wessling et al.	—	—	
cy	CH	4,440,708	04/03/84	Haataja et al.	—	—	
cy	CI	4,454,091	06/12/84	Chion et al.	—	—	
cy	CJ	4,455,709	06/26/84	Zanini	—	—	
cy	CK	4,481,701	11/13/84	Hewitt	—	—	
cy	CL	4,491,553	01/01/85	Yamada et al.	—	—	
cy	CM	4,503,115	03/05/85	Hemels et al.	—	—	
cy	CN	4,505,869	03/19/85	Nishibori	—	—	
cy	CO	4,506,037	03/19/85	Suzuki et al.	—	—	
cy	CP	4,508,595	04/02/85	Gasland	—	—	
cy	CQ	4,551,294	11/05/85	Wotka et al.	—	—	
cy	CR	4,559,376	12/17/85	Kubat	—	—	
cy	CS	4,562,218	12/31/85	Fornadel et al	—	—	
cy	CT	4,594,372	06/10/86	Natov et al.	—	—	
cy	CU	4,597,928	07/01/86	Terentiev et al	—	—	
cy	CV	4,610,900	09/09/86	Nishibori	—	—	
cy	CW	4,645,631	02/24/87	Hegenstaller et al.	—	—	
cy	CX	4,659,754	04/21/87	Edwards et al.	—	—	
cy	CY	4,663,225	05/05/87	Farley et al.	—	—	
cy	CZ	4,686,251	08/11/87	Ostermann et al.	—	—	
cy	CAA	4,687,793	08/11/87	Motegi et al.	—	—	

Examiner Signature <i>G. Peile</i>	Date Considered 07/07/00
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
LP	DA	4,716,062	12/29/87	Klein	—	—	
LP	DB	4,717,742	01/05/88	Beshay	—	—	
LP	DC	4,734,236	03/29/88	Davis	—	—	
LP	DD	4,737,532	04/12/88	Fujita et al.	—	—	
LP	DE	4,738,723	04/19/88	Frizzell et al.	—	—	
LP	DF	4,746,688	05/24/88	Bistak et al.	—	—	
LP	DG	4,769,109	09/06/88	Tellvik et al.	—	—	
LP	DH	4,769,274	09/06/88	Tellvik et al.	—	—	
LP	DI	4,810,445	03/07/89	Lamb, Sr. et al.	—	—	
LP	DJ	4,818,604	04/04/89	Tock	—	—	
LP	DK	4,851,458	07/25/89	Hopperdietzel	—	—	
LP	DL	4,865,788	09/12/89	Davis	—	—	
LP	DM	4,874,095	10/17/89	Warych	—	—	
LP	DN	4,894,192	01/16/90	Warych	—	—	
LP	DO	4,915,764	04/10/90	Miani	—	—	
LP	DP	4,927,579	05/22/90	Moore	—	—	
LP	DQ	4,935,182	06/19/90	Ehner et al.	—	—	
LP	DR	4,960,548	10/02/90	Ikeda et al.	—	—	
LP	DS	4,963,603	10/16/90	Felegi, Jr. et al.	—	—	
LP	DT	4,968,463	11/06/90	Levasseur	—	—	
LP	DU	4,973,440	11/27/90	Tamura et al.	—	—	
LP	DV	4,978,489	12/18/90	Radvan et al.	—	—	
LP	DW	4,988,478	01/29/91	Held	—	—	
LP	DX	5,002,713	03/26/91	Palardy et al.	—	—	
LP	DY	5,008,310	04/16/91	Beshay	—	—	
LP	DZ	5,009,586	04/23/91	Pallmann	—	—	
LP	DAA	5,028,266	07/02/91	Rettenmaier	—	—	

Examiner Signature <i>E. Kelen</i>	Date Considered 8/10/06
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
Gr	EA	5,057,167	10/15/91	Gersbeck			
Gr	EB	5,075,057	12/24/91	Hoedl			
Gr	EC	5,075,359	12/24/91	Castagna et al.			
Gr	ED	5,082,605	01/21/92	Brooks et al.			
Gr	EE	5,084,135	01/28/92	Brooks et al.			
Gr	EF	5,087,400	02/11/92	Theuveny			
Gr	EG	5,088,910	02/18/92	Goforth et al.			
Gr	EH	5,093,058	03/03/92	Harmon et al.			
Gr	EI	5,096,046	03/17/92	Goforth et al.			
Gr	EJ	5,096,406	03/17/92	Brooks et al.			
Gr	EK	5,120,776	06/09/92	Raj et al.			
Gr	EL	5,137,668	08/11/92	Lamb, Sr.			
Gr	EM	5,155,147	10/13/92	Dietz et al.			
Gr	EN	5,183,837	02/02/93	Lepori et al.			
Gr	EO	5,194,461	03/16/93	Berquist et al.			
Gr	EP	5,213,021	05/25/93	Goforth et al.			
Gr	EQ	5,254,617	10/19/93	Inoue et al.			
Gr	ER	5,284,610	02/08/94	Tai			
Gr	ES	5,285,973	02/15/94	Goforth et al.			
Gr	ET	5,298,102	03/29/94	Pohl			
Gr	EU	5,351,895	10/04/94	Brooks et al.			
Gr	EV	5,366,790	11/22/94	Liebel			
Gr	EW	5,406,768	04/18/95	Giuseppe et al.			
Gr	EX	5,437,766	08/01/95	Van Phan et al.			
Gr	EY	5,439,542	08/08/95	Liebel			
Gr	EZ	5,439,749	08/08/95	Klasell, et al.			
Gr	EAA	5,441,801	08/15/95	Deaner et al.			

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U.S. Patent Documents							
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Sp	FA	5,480,602	01/02/96	Nagaich			
Sp	FB	5,486,553	01/23/96	Deaner et al.			
Sp	FC	5,497,594	03/12/96	Giuseppe et al.			
Sp	FD	5,518,677	05/21/96	Deaner et al.			
Sp	FE	5,539,027	07/23/96	Deaner et al.			
Sp	FF	5,540,244	07/20/96	Brooks et al.			
Sp	FG	5,543,205	08/06/96	Liebel			
Sp	FH	5,558,933	09/24/96	Anthony			
Sp	FI	5,574,094	11/12/96	Malucelli et al.			
Sp	FJ	5,582,682	12/10/96	Ferretti			
Sp	FK	5,585,155	12/17/96	Heikkila et al.			
Sp	FL	5,643,359	07/01/97	Soroshian et al.			
Sp	FM	5,643,635	07/01/97	Ahn et al.			
Sp	FN	5,695,874	12/09/97	Deaner et al.			
Sp	FO	5,746,958	05/05/98	Gustafsson et al.			
Sp	FP	5,759,680	06/02/98	Brooks et al.			
Sp	FQ	5,767,177	06/16/98	Omente et al.			
Sp	FR	5,773,138	06/30/98	Seethamraju et al.			
Sp	FS	5,819,491	10/13/98	Davis			
Sp	FT	5,827,607	10/27/98	Deaner et al.			
Sp	FU	5,851,469	12/22/98	Muller et al.			
Sp	FV	5,876,641	03/02/99	LeClair et al.			
Sp	FW	5,882,564	03/16/99	Puppin			
Sp	FX	5,932,334	08/03/99	Deaner et al.			
Sp	FY	5,948,505	09/07/99	Puppin			
Sp	FZ	5,948,524	09/07/99	Seethamraju et al.			
Sp	FAA	5,981,067	11/09/99	Seethamraju et al.			

Examiner Signature <i>C. Kelle</i>	Date Considered <i>5/12/06</i>
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C	GA	5,985,429	11/16/99	Plummer et al.			
C	GB	6,004,668	12/21/99	Deaner et al.			
C	GC	6,007,656	12/28/99	Heikkila et al.			
C	GD	6,015,611	01/18/00	Deaner et al.			
C	GE	6,015,612	01/18/00	Deaner et al.			
C	GF	6,054,207	04/25/00	Finley			
C	GG	6,106,944	08/22/00	Heikkila et al.			
C	GH	6,122,877	09/26/00	Hendrickson et al.			
C	GI	6,210,792	04/03/01	Seethamraju et al.			
C	GJ	6,346,160	02/12/02	Puppini			
C	GK	6,357,197	03/19/02	Serino et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
C	GL	2104903	0/16/83	Great Britain				
C	GM	0 161 766	11/21/85	EP				
C	GN	2171953	9/10/86	Great Britain				
C	GO	AU-B-47811/90	01/09/89	AU				
C	GP	0 409 525 A2	07/16/90	EP				
C	GQ	WO 92/07022	10/22/91	WIPO				
C	GR	WO 96/13551	05/09/96	WIPO				
C	GS	WO 97/18173	05/22/97	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
C	GT	Kokta et al., "Use of Wood Fibers in Thermoplastic Composites", Polymer Composites, Oct. 1983, vol. 4, No. 4, pp. 229-232.
C	GU	Yam et al., "Composites From Compounding Wood Fibers With Recycled High Density Polyethylene", Polymer Engineering and Science, Mid-Jun. 1990, vol. 30, No. 11, pp. 693-699.

Examiner Signature

S. Pella

Date Considered

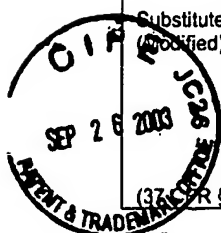
5/10/06

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Other Documents (include Author, Title, Date, and Place of Publication)		
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Ly	HA	Zadorecki et al., "Future Prospects for Wood Cellulose as Reinforcement in Organic Polymer Composites", Polymer Composites, Apr. 1989, vol. 10, No. 2, pp. 69-77.
Ly	HB	Woodhams et al., "Wood Fibers as Reinforcing Fillers for Polyolefins", Polymer Engineering and Science, Oct. 1984, vol. 24, No. 15, pp. 1166-1171.
Ly	HC	Maldas et al., "Composites of Polyvinyl Chloride-Wood Fibers: IV. Effect of the Nature of Fibers", Journal of Vinyl Technology, Jun. 1989, vol. 11, No. 2, pp. 90-98.
Ly	HD	Raj et al., "Use of Wood Fibers as Filler in Common Thermoplastic Studies on Mechanical Properties", Science and Engineering of Composite Materials, vol. 1, No. 3, 1989, pp. 85-98.
Ly	HE	Kokta et al., "Use of Grafted Wood Fibers in Thermoplastic Composites V. Polystyrene", pp. 85-96.
Ly	HF	Klason et al., "The Efficiency of Cellulosic Fillers in Common Thermoplastics. Part I. Filling Without Processing Aids or Coupling Agents", International Journal of Polymeric Materials, Mar. 1984, pp. 159-187.
Ly	HG	Dalvag et al., "The Efficiency of Cellulosic Fillers in Common Thermoplastics. Part II. Filling with Process Aids and Coupling Agents", International Journal of Polymeric Materials, 1985, vol. 11, pp. 9-38.
Ly	HH	Rogalski et al., "Poly(Vinyl-Chloride) Wood Fiber Composites", Antec '87, pp. 1436-1441.
Ly	HI	Raj et al., "Use of Wood Fibers in Thermoplastics. VII. The Effect of Coupling Agents in Polyethylene-Wood Fiber Composites", Journal of Applied Polymer Science, vol. 37, (1989), pp. 1089-1103.
Ly	HJ	Kokta et al., "Composites of Polyvinyl Chloride-Wood Fibers. I. Effect of Isocyanate as a Bonding Agent", Polym. Plast. Technol. Eng. 29(1&2), 1990, pp. 87-118.
Ly	HK	Kokta et al., "Composites of Polyvinyl Chloride-Wood Fibers. III. Effect of Silane as Coupling Agent", Journal of Vinyl Technology, Sep. 1990, vol. 12, No. 3, pp. 146-153.
Ly	HL	Kokta et al., "Composites of Poly(Vinyl Chloride) and Wood Fibers. Part II: Effect of Chemical Treatment", Polymer Composites, Apr. 1990, vol. 11, No. 2, pp. 84-89.

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U.S. Patent Documents

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✓	AA	6,448,307	09/10/02	Medoff et al.	—	—	
✓	AB	US 2002/0010229 A1	01/24/02	Medoff et al.	—	—	
✓	AC	6,258,876	07/10/01	Medoff et al.	—	—	
✓	AD	6,207,729	03/27/01	Medoff et al.	—	—	
✓	AE	5,973,035	10/26/99	Medoff et al.	—	—	
✓	AF	5,952,105	09/14/99	Medoff et al.	—	—	
✓	AG	5,516,472	05/14/96	Laver	—	—	
✓	AH	5,372,878	12/13/94	Saito	—	—	
✓	AI	4,833,181	05/23/89	Narukawa et al.	—	—	
✓	AJ	4,791,020	12/13/88	Kokta	—	—	
✓	AK	4,244,847	01/13/81	Posiviata et al.	—	—	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
✓	AL	WO 99/11453	03/11/99	PCT	—	—		
✓	AM	63-033448	02/13/88	Japan (English Abstract Only)	—	—		
✓	AN	63-033442	02/13/88	Japan (English Abstract Only)	—	—		
✓	AO	63-033441	02/13/88	Japan (English Abstract Only)	—	—		
✓	AP	63-0334401	02/13/88	Japan (English Abstract Only)	—	—		
✓	AQ	60-168611	02/09/85	Japan (English Abstract Only)	—	—		

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AR	
	AS	
	AT	

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